ABSTRACT OF THE DISCLOSURE

A digital video mixer apparatus is designed for inputting a video signal representative of a picture from a plurality of input channels, then processing the video signal to apply a visual effect to the picture, and outputting the processed video signal to an output channel. In the apparatus, a parameter value setting section includes a plurality of operators manually operable to set a plurality of parameter values used for applying a desired visual effect to the picture. A sequence control section sequentially feeds the parameter values in accordance with time progress of processing the video signal in order to vary with time the visual effect applied to the picture. A video signal processing section processes the video signal inputted from at least one of the input channels according to either of the parameter values set by the operators or the parameter values fed from the sequence control section.